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APPLICATION NO. FILING DATE		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/762,100 04/06/2001		Takatomo Sasaki	2001-0094A	8337			
513	7590	10/07/2004		EXAMINER			
	•	D & PONACK,	NGUYEN, DUNG T				
2033 K STRI SUITE 800	EET N. W	.	ART UNIT	PAPER NUMBER			
WASHINGT	ON, DC	20006-1021	2828				

DATE MAILED: 10/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Apı	plicant(s)					
		09/762,100		SASAKI ET AL.					
	Office Action Summary	Examiner		Unit	···				
		Dung (Michael) T			Bury				
	The MAILING DATE of this communication app	1 - , ,		spondence address					
Period fo									
THE N - Exten after: - If the - If NO - Failur Any n	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Is is is on sof time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing days and the patent term adjustment. See 37 CFR 1.704(b).	I36(a). In no event, however ly within the statutory mining will apply and will expire S e, cause the application to	er, may a reply be timely file num of thirty (30) days will b IX (6) MONTHS from the ma become ABANDONED (35	ed te considered timety. ailing date of this communic U.S.C. § 133).	cation.				
Status									
1)🖂	Responsive to communication(s) filed on 14 J	uly 2004.							
·	This action is FINAL . 2b)⊠ This action is non-final.								
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)🖂	Claim(s) 13,14 and 16-24 is/are pending in the	e application.							
•	4a) Of the above claim(s) is/are withdra	wn from considera	tion.						
5)[5) Claim(s) is/are allowed.								
· ·	Claim(s) 13,14 and 16-24 is/are rejected.								
· · · · ·	Claim(s) is/are objected to.								
اــا(٥	Claim(s) are subject to restriction and/o	or election requirem	ient.						
Applicati	on Papers								
9) 🗌 .	The specification is objected to by the Examine	er.							
	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
	Applicant may not request that any objection to the		•	` '					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
-	•	xammer. Note the	attached Office Acti	011 01 101111 P 1 O- 15.	۷.				
Priority u	nder 35 U.S.C. § 119								
	Acknowledgment is made of a claim for foreign ☐ All b)☐ Some * c)☐ None of: 1.☐ Certified copies of the priority document			or (f).					
	2. Certified copies of the priority document								
	3. Copies of the certified copies of the prior	-		this National Stage	9				
* 9	application from the International Burea ee the attached detailed Office action for a list	,	**						
3	ee the attached detailed Office action for a list	or the certified cop	des not received.						
Attachment	(s)								
1) Notice	e of References Cited (PTO-892)		nterview Summary (PTO						
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)		'aper No(s)/Mail Date lotice of Informal Patent						
	No(s)/Mail Date		Other:	., , –,					

Application/Control Number: 09/762,100

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 13-14 and 16-24 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 13-14 and 16-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marnier (US4746396) in view of Russian Article No 16, 1983. Marnier discloses a nonlinear optical crystal for generating ultraviolet light (col.4, l.1-52) and the solution growth with a flux of potassium chloride (KCl) (col.5, l.5). Marnier lacks the compound of K2Al2B2O7. Russian Article teaches the compound of K2Al2B2O7 in page 43. For the benefit of a more efficient nonlinear optical crystal, it would have been obvious to one having ordinary skill in the art at

Art Unit: 2828

the time the invention was made to provide Marnier the compound of K2Al2B2O7 as taught by Russian article.

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Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Michael Dung Nguyen

MINGUN OH HARVEY
PRIMARY EXAMINER